

Title (en)
GEARED TURBOFAN WITH THREE TURBINES WITH HIGH SPEED FAN DRIVE TURBINE

Title (de)
GETRIEBETURBOLÜFTER MIT DREI TURBINEN MIT HOCHGESCHWINDIGKEITS- VENTILATORANTRIEBSTURBINE

Title (fr)
RÉACTEUR À DOUBLE FLUX À ENGRENAGES AYANT TROIS TURBINES AVEC UNE TURBINE D'ENTRAÎNEMENT DE SOUFFLANTE HAUTE VITESSE

Publication
EP 3165756 A1 20170510 (EN)

Application
EP 16197386 A 20161104

Priority
US 201514934228 A 20151106

Abstract (en)
A gas turbine engine (20) includes a fan section (22), a first compressor section (30), and a second compressor section (36) compressing air to a higher pressure than the first compressor section (30). A first turbine section (40) driving the second compressor section (36). A second turbine section (34) driving the first compressor section (30). A fan drive turbine section (26), downstream of the second turbine section (34), drives the fan section through a gear reduction (24) and has a first exit area (401) at a first exit point and rotates at a first speed. The second turbine section has a second exit area (400) at a second exit point and rotates at a second, higher speed. Respective performance quantities are defined as the product of the first/second speed squared and the first/second area (401/400).

IPC 8 full level
F02K 3/06 (2006.01)

CPC (source: EP)
F02K 3/06 (2013.01); **F05D 2260/40311** (2013.01)

Citation (search report)

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Designated extension state (EPC)
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